

Appl. No.: 10/523,564

Amdt. Dated March 24, 2006

Response to Office Action Mailed December 29, 2005

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

1. (Currently Amended) A switch actuator for movable frogs, comprising at least one cylinder piston unit having a defined preset piston stroke, wherein the cylinder piston unit (5) is connected with bearings (6) capable of being displaced relative to said cylinder piston unit (5) in an axial direction (31) of the piston stroke, which bearings are connected with a stationary substructure for the adjustment of a defined center position of the piston stroke and a driver for a movable frog (1), and the driver for the movable frog (1) is coupled with the cylinder piston unit with first stops (9) being interposed between the cylinder piston unit (5) and the driver for the movable frog (1), and being displaceable in the axial direction being interposed.

2. (Currently Amended) A switch actuator according to claim 1, wherein the driver comprises a sliding block (10) and enables a relative movement of the frog (1) along two mutually crossing axes directions different from ~~an axis~~ a direction of a displacement stroke.

3. (Currently Amended) A switch actuator according to claim 1, wherein the driver, in a direction of a displacement stroke, is traversed by a spindle (13) having different thread

directions on two sides of the driver, and cooperates with ~~nuts~~ said first stops (9) guided in a rotationally fast manner to adjust idle strokes.

4. (Previously Presented) A switch actuator according to claim 1, wherein the driver is arranged to be pivotable about an axis of the cylinder piston unit (5), and further comprising a sliding block (10) of the driver comprising a tappet or cylinder portion (18) arranged to be pivotable about an axis (19) extending substantially normal to a direction of a displacement stroke.

5. (Currently Amended) A switch actuator according to claim 1, wherein the bearings (6) capable of being displaced in the axial direction (31) of the piston stroke are each designed as a fork head (25) whose fork is supported in a rotationally fast manner while displaceable in the axial direction (31) and connected with the hydraulic cylinder piston unit (5) via a bearing journal (26), and the fork head (25) is connected to a fork head screw (28) that traverses a second stop (30) and comprises an adjusting nut (29), turning of which causes an axial displacement of the fork head (25).

6. (Currently Amended) A switch actuator according to claim 5, wherein the second stop (30) is designed as an open slot of a wall of a trough sleeper (4) extending transversely to a longitudinal direction of the sleeper, or of a stationary switch part.

7. (Currently Amended) A switch actuator according to claim 2, wherein the driver, in the direction of the displacement stroke, is traversed by a spindle (13) having different thread directions on two sides of the driver, and cooperates with ~~nuts~~ said first stops (9) guided in a rotationally fast manner to adjust idle strokes.

8. (Previously Presented) A switch actuator according to claim 2, wherein the driver is arranged to be pivotable about an axis of the cylinder piston unit (5), and the sliding

block (10) of the driver comprises a tappet or cylinder portion (18) arranged to be pivotable about an axis (19) extending substantially normal to the direction of the displacement stroke.

9. (Previously Presented) A switch actuator according to claim 3, wherein the driver is arranged to be pivotable about an axis of the cylinder piston unit (5), and further comprising a sliding block (10) of the driver comprising a tappet or cylinder portion (18) arranged to be pivotable about an axis (19) extending substantially normal to the direction of the displacement stroke.

10. (Previously Presented) A switch actuator according to claim 7, wherein the driver is arranged to be pivotable about an axis of the cylinder piston unit (5), and the sliding block (10) of the driver comprises a tappet or cylinder portion (18) arranged to be pivotable about an axis (19) extending substantially normal to the direction of the displacement stroke.

11. (Currently Amended) A switch actuator according to claim 2, wherein the bearings (6) capable of being displaced in the axial direction (31) of the piston stroke are each designed as a fork head (25) whose fork is supported in a rotationally fast manner while displaceable in the axial direction (31) and connected with the hydraulic cylinder piston unit (5) via a bearing journal (26), and the fork head (25) is connected to a fork head screw (28) that traverses a second stop (30) and comprises an adjusting nut (29), turning of which causes an axial displacement of the fork head (25).

12. (Currently Amended) A switch actuator according to claim 3, wherein the bearings (6) capable of being displaced in the axial direction (31) of the piston stroke are each designed as a fork head (25) whose fork is supported in a rotationally fast manner while displaceable in the axial direction (31) and connected with the hydraulic cylinder piston unit (5) via a bearing journal (26), and the fork head (25) is connected to a fork head screw (28) that

traverses a second stop (30) and comprises an adjusting nut (29), turning of which causes an axial displacement of the fork head (25).

13. (Currently Amended) A switch actuator according to claim 4, wherein the bearings (6) capable of being displaced in the axial direction (31) of the piston stroke are each designed as a fork head (25) whose fork is supported in a rotationally fast manner while displaceable in the axial direction (31) and connected with the hydraulic cylinder piston unit (5) via a bearing journal (26), and the fork head (25) is connected to a fork head screw (28) that traverses a second stop (30) and comprises an adjusting nut (29), turning of which causes an axial displacement of the fork head (25).

14. (Currently Amended) A switch actuator according to claim 7, wherein the bearings (6) capable of being displaced in the axial direction (31) of the piston stroke are each designed as a fork head (25) whose fork is supported in a rotationally fast manner while displaceable in the axial direction (31) and connected with the hydraulic cylinder piston unit (5) via a bearing journal (26), and the fork head (25) is connected to a fork head screw (28) that traverses a second stop (30) and comprises an adjusting nut (29), turning of which causes an axial displacement of the fork head (25).

15. (Currently Amended) A switch actuator according to claim 8, wherein the bearings (6) capable of being displaced in the axial direction (31) of the piston stroke are each designed as a fork head (25) whose fork is supported in a rotationally fast manner while displaceable in the axial direction (31) and connected with the hydraulic cylinder piston unit (5) via a bearing journal (26), and the fork head (25) is connected to a fork head screw (28) that traverses a second stop (30) and comprises an adjusting nut (29), turning of which causes an axial displacement of the fork head (25).

16. (Currently Amended) A switch actuator according to claim 9, wherein the bearings (6) capable of being displaced in the axial direction (31) of the piston stroke are each designed as a fork head (25) whose fork is supported in a rotationally fast manner while displaceable in the axial direction (31) and connected with the hydraulic cylinder piston unit (5) via a bearing journal (26), and the fork head (25) is connected to a fork head screw (28) that traverses a second stop (30) and comprises an adjusting nut (29), turning of which causes an axial displacement of the fork head (25).

17. (Currently Amended) A switch actuator according to claim 10, wherein the bearings (6) capable of being displaced in the axial direction (31) of the piston stroke are each designed as a fork head (25) whose fork is supported in a rotationally fast manner while displaceable in the axial direction (31) and connected with the hydraulic cylinder piston unit (5) via a bearing journal (26), and the fork head (25) is connected to a fork head screw (28) that traverses a second stop (30) and comprises an adjusting nut (29), turning of which causes an axial displacement of the fork head (25).

18. (Currently Amended) A switch actuator according to claim 11, wherein the second stop (30) is designed as an open slot of a wall of a trough sleeper (4) extending transversely to a longitudinal direction of the sleeper, or of a stationary switch part.

19. (Currently Amended) A switch actuator according to claim 12, wherein the second stop (30) is designed as an open slot of a wall of a trough sleeper (4) extending transversely to a longitudinal direction of the sleeper, or of a stationary switch part.

20. (Currently Amended) A switch actuator according to claim 13, wherein the second stop (30) is designed as an open slot of a wall of a trough sleeper (4) extending transversely to a longitudinal direction of the sleeper, or of a stationary switch part.